



**Oxford Superconducting Technology**

600 Milik Street  
Carteret  
New Jersey 07008

Telephone (201) 541-1300  
Twx (710) 998-0492  
Telex 844 142  
Fax (201) 541-7769

February 14, 1985

United States Environmental Protection Agency  
Region II  
26 Federal Plaza  
New York, NY 10278

Attention: Ton H. Moy

Reference: Closure Plan - Oxford Airco - EPA ID # NJD099285264

*ROZ*  
*2/14/85*  
*4/18*  
*CO*

Dear Mr. Moy:

Enclosed please find a copy of Oxford Superconducting Technology's revised Closure Plan. This will comply with your request under N.J.A.C. 7:26-9.8 and 10. As Oxford is not a disposal facility, we are not submitting a post-closure plan and cost estimate.

Be advised that Oxford has recently undergone a major change in its management staff. As a result, all present policies and procedures are under review. Included in this review is a study of our Hazardous Waste Handling procedures. To this end, we are presently interviewing consulting firms to audit our practices and to ensure that our present policies continue to meet the requirements of the EPA and the New Jersey Department of Environmental Protection.

Should you have any questions, please feel free to contact me.

Very truly yours,

Daniel E. James  
Manager Human Resources

DEJ/dpd

Enclosure

OXFORD AIRCO  
CLOSURE PLAN AND COST

August 12, 1981

Revised November 16, 1982

On the attached pages is the closure plan along with estimated cost for Oxford Airco. This facility is a manufacturing plant which generates hazardous waste as part of the manufacturing process. The decision to register as a hazardous waste storage facility was made to reduce disposal cost.

The attached plan is a breakdown of the labor and cost involved in closing a manufacturing facility. Some hazardous waste would be generated as part of the closure process and that disposal cost is added in with any waste inventoried on site when a decision to close is reached.

Post-closure activity is not required for this is not a Hazardous Waste Disposal facility. At this time there is no anticipated closure date for this facility. When a decision to close is reached, a Certificate of Closure will be obtained from the proper authorities.

Victoria A. Bardos  
Hazardous Waste Coordinator

LIST OF EQUIPMENT ON SITE

PRODUCTION - TABLE I

- a. 2 drawbenches
- b. 3 medium wire draw blocks
- c. 5 fine wire drawing machines
- d. 14 furnaces - various sizes
- e. 15 wire spooling machines
- f. 2 tube mills
- g. 5 cabling machines - various sizes
- h. 5 glass braiders
- i. MFTF wrapping line
- j. MFTF plating line
- k. MFTF cleaning line
- l. 3 embossing mills
- m. 2 tinning lines
- n. Various machine shop equipment (14 pieces)
- o. 3 exhaust systems including duct work
- p. Etching tanks - acid room
- q. Enamel insulation tower
- r. 2 cleaning tanks



## LIST OF EQUIPMENT

### LABORATORY - TABLE II

- a. Oxygen analyzer
- b. Atomic absorption spectrophotometer
- c. Balance
- d. Tensile tester
- e. pH meter
- f. Hot mount
- g. Microscope
- h. Fine polishers
- i. Hardness tester
- j. Grinder
- k. Ultrasonic cleaner
- l. Several power supplies - various capacities
- m. Oscilloscope
- n. Welder
- o. Several test fixtures - various capacities
- p. Infared spectrophotometer

## SHUT DOWN PROCEDURE

### Production

The equipment in this plant involving chemicals are items (i), (j), (k), (m), (p), (q), and (r) on Table 1.

(i) MFTF Wrapping Line: All equipment will be taken apart and crated. The flux tank will be emptied and rinsed. The ZnCl flux and rinse water will be placed in 6D poly lined drums for disposal.

(k) MFTF Cleaning Line: The cleaning tank will be emptied and rinsed, the cleaning solution and rinse water will be placed in 6D polylined drums for disposal.

(j) MFTF Plating Line: All plating tanks will be emptied and rinsed, the plating solution and rinse water will be placed in 6D poly lined drums for disposal.

(m) Tinning lines: Same as (j)

(p) Acid Room Etching Tanks: The tanks will be emptied, rinsed, and crated. The trenches will be rinsed and cleaned. All rinse water will be pH tested and disposed of in the proper fashion. The pumps will be removed from the trenches and crated.

(q) Enamel Insulation Tower: The enamel will be removed from holding tank and placed in 17-H drums for removal to an incineration facility.

(r) Cleaning Tanks: The tanks will be emptied, rinsed, and crated. All solutions will be placed in 6D polylined drums for disposal.

## Laboratory

Small quantities of chemicals are used for analysis in the lab. At the time of closure, all unopened bottles will be moved with the lab or transferred to another division. All opened bottles will be lab packed in 17-H drums.

The estimate shut down period is six weeks. This procedure is expected to require 12 men full time over the six week period.

All hazardous waste is to be removed by AETC to their storage facility.

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MAXIMUM WASTE INVENTORY  
(all drums are 55 gallon)

<u>ITEM</u>	<u>DRUMS</u>	<u>TOTAL VOLUME</u>
Brite-Dip (acid)	20	1,100
Solvents		
Acetone	10	550
Methanol	10	550
1,1,1 trichloroethane	5	275
Plating Solutions		
(Fluoroboric Acid)	40	2200
ZnCl flux (wrapping line)	1	55
Tinning Lines:		
95% Sn, 5% Ag solution	2	110
SnSO <sub>4</sub> , H <sub>2</sub> SO <sub>4</sub>	2	110
Cu <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> SO <sub>4</sub>	2	110
Detergent, H <sub>2</sub> SO <sub>4</sub>	2	110
H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O <sub>2</sub> /H <sub>2</sub> O Solution	20	1,100
Enamel (Polyvinyl Formal)	<u>1</u>	<u>55</u>
	115	6,325
Rinse Water		
Acid tanks		400
Plating tanks		1,500
Duct work		<u>1,000</u>
		6,530



# COST BREAKDOWN

<u>ITEM</u>	<u>COST/DRUM</u>	<u>TOTAL</u>
All corrosive liquids	\$105	\$4,200
Acetone	45	450
Methanol	45	450
1,1,1 trichloroethane	95	475
Plating solution	75	3,000
ZnCl flux	95	95
All tinning lines	95	760
Rinse water	65	3,445
Enamel	100	<u>100</u>
		<u>\$12,975</u>
Empty 6-D polyethylene lined drums	\$46	\$7,820
Empty 17-H Drums	21	105
Vamiculite	6.25	32
Freight (AETC)	25	4,375
Labor (8 hr, 3 men) (AETC)	35	<u>840</u>
		<u>\$13,172</u>

This is based on present rates.

## Man-hour requirements:

12 men, 6 weeks	\$8.50/hr	\$24,480
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TOTAL COST:

\$50,627

VB:DS



State of New Jersey  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT  
32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.  
DIRECTOR

RICHARD C. SALKIE, P.E.  
ASSOCIATE DIRECTOR

24 MAR 1986

Ms. Chris Demo  
U.S.E.P.A., Region II  
26 Federal Plaza  
New York, New York 10278

Dear Ms. Demo:

NJD099 285264

Enclosed is a copy of a letter from Wayne C. Pearce, Oxford Superconducting Technology requesting the following information change(s):

- |                              |   |
|------------------------------|---|
| 1) Company Name              | <u>          X          </u>            |
| 2) Corporate Name/Ownership  | <u>                                </u> |
| 3) Company Contact           | <u>                                </u> |
| 4) EPA ID Number             | <u>                                </u> |
| 5) Notification Status to:   | <u>                                </u> |
| TSD                          | <u>                                </u> |
| Transporter                  | <u>                                </u> |
| Generator                    | <u>                                </u> |
| Non-Handler                  | <u>                                </u> |
| S. Q. Generator              | <u>                                </u> |
| 6) Generator/Company Closure | <u>                                </u> |
| 7) Other                     | <u>                                </u> |

OXFORD  
SUPERCONDUCTING ✓  
TECHNOLOGY

Please make the indicated changes to your RCRA mailing address file. Your attention in this matter would be greatly appreciated.

Sincerely,

Nancy Power, Program Manager  
Bureau of Manifest and Information  
Systems

PR24:pjb  
Enclosure



**Oxford Superconducting Technology**

600 Milik Street  
Carteret  
New Jersey 07008

Telephone (201) 541-1300  
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February 10, 1986

New Jersey Department of Environmental Protection  
Division of Waste Management  
Bureau of Manifest and Information Systems  
32 East Hanover Street  
P.O. Box CN 028  
Trenton, New Jersey 08652

Attention: Nancy Power

Dear Ms. Power:

Enclosed please find a copy of our EPA Form 8700-12A (4-80). I would like to request the company name be changed from Aircor Superconductors, as seen on the copy to Oxford Superconducting Technology.

Our product nor our process has been changed. Our location is also unchanged.

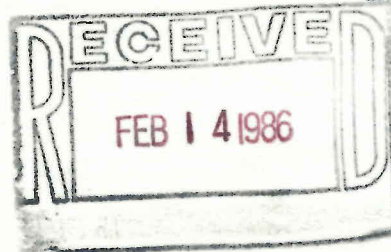
If you need any further information concerning this please contact me directly.

Very truly,

Wayne C. Pearce  
EPA/Safety Coordinator

WCP/dpd  
#0299D

Enclosure





## ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

NJ0099285268		
OXFORD SUPERCONDUCTING TECHNOLOGY		
AIRCO SUPERCONDUCTORS		
600 HTLIK STREET	NJ	07008
CARTERET		
600 HTLIK STREET	NJ	07008
CARTERET		

INSTALLATION ADDRESS





P33 10/14/85 LN  
P04  
P054 due 3/3/86  
Delisting Info. required  
C1105 = 4

**State of New Jersey**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**DIVISION OF WASTE MANAGEMENT**  
32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.  
DIRECTOR

RICHARD C. SALKIE, P.E.  
ASSOCIATE DIRECTOR

Mr. Wayne C. Pearce  
Oxford Superconducting Technology  
600 Milik Street  
Carteret, NJ 07008

- 3 MAR 1986

RE: TSD Status Delisting for Oxford NJD 099285265

Dear Mr. Pearce:

The Department has reviewed the October 14, 1985 TSD delisting request for Oxford Superconducting Technology (the facility).

Presently the facility is listed as a TSD facility with drum storage at 2,500 gallons and tank treatment at 26,000 gallons/day. The July 8, 1985 site visit conducted by Mr. William Sharples revealed drum storage for less than 90 days with exception to the large wooden storage container holding solid waste epoxy resins. Electroplating bath solution recycle was also observed.

The New Jersey Hazardous Waste Management Regulations, specifically N.J.A.C. 7:26-9.3, exempt storage of hazardous waste in drums for less than 90 day. In addition, the regulations, specifically N.J.A.C. 7:26-8.3, exempt facilities which generate less than 100 kilograms of hazardous waste per month unless the waste is acutely hazardous. For acutely hazardous waste, the limit is one (1) kilogram per month.

Therefore, before the facility can be delisted, the following must be submitted to the Department within thirty (30) days from the date of this letter:

- 1) Documentation that the facility meets the definition of a small quantity generator, as defined in N.J.A.C. 7:26-8.3.

3 MAR 1986

- 2) Documentation that the facility meets the requirements of N.J.A.C. 7:26-9.3. The following must be submitted and approved:
  - a) Documentation that all hazardous waste is shipped off-site within ninety (90) days or less from the date accumulation began.
  - b) Documentation that waste is placed in containers which meet the standards of N.J.A.C. 7:26-7.2 and are managed in accordance with N.J.A.C. 7:26-9.4(d).
  - c) Plans showing compliance with the requirements for owners and operators of N.J.A.C. 7:26-9.6 and 9.7 concerning preparedness and prevention, contingency plans and emergency procedures as well as N.J.A.C. 7:26-9.4(g) concerning personnel training.
3. An explanation of the treatment process that was filed on the original Part A application.

Should you have any questions, please contact my office at (609) 984-4892.

Very truly yours,



Frank Coolick, Chief  
Bureau of Hazardous Waste Engineering

EP6:rr

c. Angel Chang, USEPA



**State of New Jersey**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**DIVISION OF HAZARDOUS WASTE MANAGEMENT**

John J. Trela, Ph.D., Director  
401 East State St.  
CN 028  
Trenton, N.J. 08625  
609 - 633 - 1408

Mr. Wayne C. Pearce  
EPA/Safety Coordinator  
Oxford Superconducting Technology  
600 Milik Street  
Carteret, NJ 07008

NOV 16 1987

Dear Mr. Pearce:

RE: Delisting of Oxford Superconducting Technology,  
EPA ID No. NJD 099 285 264

The Bureau of Hazardous Waste Engineering has reviewed several documents submitted by Oxford Superconducting Technology dated July 25, 1986 requesting the delisting of a TSD facility.

The original notification filed by Airco Superconductors with USEPA on August 18, 1980 lists treatment in tanks, activity code T01 with a capacity of 26,000 gallons/day for waste type D002 as a hazardous waste treatment activity by the facility.

The Bureau does not have any documentation regarding previous delisting of this activity and it was not addressed in the documents submitted by Oxford nor discussed during the site visits by the Bureau's engineers. Oxford is therefore hereby required to submit information about the status of this activity within thirty (30) days of the date of this letter to the Bureau of Hazardous Waste Engineering.

If you have any questions, please call George Mejia of my staff at (609) 292-9880.

Very truly yours,

Ernest J. Kuhlwein, Jr., Chief  
Bureau of Hazardous Waste Engineering

EP35/abl

c: Barry Tornick, USEPA